

CLAIM AMENDMENTS

Claims 1 –21 (Canceled)

22. (Currently Amended) A set of isolated nucleic acid molecules comprising at least five isolated nucleic acid molecules, ~~wherein each nucleic acid molecule comprises at least 10 contiguous nucleotides of a sequence~~ selected from the group consisting of SEQ ID NO: 1, SEQ ID NO: 2, SEQ ID NO: 3, SEQ ID NO: 4, SEQ ID NO: 5, SEQ ID NO: 6, SEQ ID NO: 7, SEQ ID NO: 8, SEQ ID NO: 9 and SEQ ID NO: 10 and the complementary sequence of ~~SEQ ID NO: 1, SEQ ID NO: 2, SEQ ID NO: 3, SEQ ID NO: 4, SEQ ID NO: 5, SEQ ID NO: 6, SEQ ID NO: 7, SEQ ID NO: 8, SEQ ID NO: 9 and SEQ ID NO: 10~~, ~~wherein the set consists essentially of two said sequences, and wherein the set is used in nucleic acid hybridization or amplification to detect all representatives of *Salmonella enterica* subsp. *enterica*, *salamae*, *arizonae*, *diarizonae*, *houtenae*, *bongori* and *indica*.~~

23. (Canceled) The set of isolated nucleic acid molecules of claim 22, wherein each nucleic acid molecule comprises at least 15 contiguous nucleotides of said sequences.

24. (Canceled) The set of isolated nucleic acid molecules of claim 22, wherein each nucleic acid molecule comprises 20 contiguous nucleotides of said sequences.

25. (Canceled) The set of isolated nucleic acid molecules of claim 22, wherein each nucleic acid molecule contains additional nucleotides.

26. (Canceled) The set of isolated nucleic acid molecules of claim 22, wherein each nucleic acid molecule contains 15 to 30 nucleotides.

27. (Canceled) The set of isolated nucleic acid molecules of claim 22, wherein at least one isolated nucleic acid molecule is modified or labeled with a group selected of the group consisting of a radioactive group, a colored group, a fluorescent group, a group for immobilization on a solid phase and a group allowing an indirect or direct enzyme reaction.

28. (Canceled) The set of isolated nucleic acid molecules of claim 27, wherein the group allowing an enzyme reaction is selected from the group consisting of antibodies, antigens, enzymes, substances having an affinity for enzymes and substances having an affinity for enzyme complexes.

29. (New) The set of isolated nucleic acid molecules of claim 22, wherein the set further comprises at least 10 contiguous nucleotides of a sequence with a length from 10 to 250 nucleotides from one or more of the isolated nucleic acid molecules selected from the group consisting of SEQ ID NO: 1, SEQ ID NO: 2, SEQ ID NO: 4 and SEQ ID NO: 5 and the complementary sequence of SEQ ID NO: 1, SEQ ID NO: 2, SEQ ID NO: 3, SEQ ID NO: 4 and SEQ ID NO: 5.

30. (New) The set of isolated nucleic acid molecules of claim 22, wherein at least one isolated nucleic acid molecule is modified or labeled with a group selected of the group consisting of a radioactive group, a colored group, a fluorescent group, a group for immobilization on a solid phase and a group allowing an indirect or direct enzyme reaction.

30. (New) The set of isolated nucleic acid molecules of claim 29, wherein at least one isolated nucleic acid molecule is modified or labeled with a group selected of the group consisting of a radioactive group, a colored group, a fluorescent group, a group for immobilization on a solid phase and a group allowing an indirect or direct enzyme reaction.

31. (New) The set of isolated nucleic acid molecules of claim 22, wherein the group allowing an enzyme reaction is selected from the group consisting of antibodies, antigens, enzymes, substances having an affinity for enzymes and substances having an affinity for enzyme complexes.

32. (New) The set of isolated nucleic acid molecules of claim 29, wherein the group allowing an enzyme reaction is selected from the group consisting of antibodies, antigens, enzymes, substances having an affinity for enzymes and substances having an affinity for enzyme complexes.